"EAGLES OF THE ARMY" TO CEASE TO BE A JOKE

Uncle Sam Now Preparing to Place is Aviation Corps on Par With That of Other World Powers

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Col. Samuel Reber, chief signal officer, War Department.

aviation corps for the defence of the torpedo's course unerringly by watch-

Up to this time the United States has aeroplane is only a fraction of that of

tics, ranks eighth among the nations the air. Experts say that mines can be world with respect to her air easily located by aerial scouts. One mine may wreck a \$10,000,000 battle-

Senate all this is to be changed. tion of this sum, would mean the ship's

on of a bill recently passed by ship. An aeroplane, costing but a frac-

which aviators have here-placed, will be formed; sixty to be selected from the limit the duration and scope of hostile

the army and 260 privates operations, but will also aid in the con-

drilled in the essentials of trol of the seas, one of the elements the same time appropriations contributing materially to the power

n of \$250,000, authorized last and by the failure of Congress to desig-

and prosperity of a nation.

behind other nations in this mat- a torpedo.

in corps, distinct from the Sig- safety. in which aviators have here-

the latest available statis-

placed, will be formed; sixty

made for the construction of a

f military airships, including

nd dirigibles, and the more or

sated models now in use by

will be relegated to the scrap

sed only for demonstration

providing for the establish-

his aviation corps-the "eaarmy"-was introduced into

of Representatives on May

Representative Hay of Vir-

Affairs, and was passed last

The bill, backed by an ap-

the army Signal Corps, com-

Brig.-Gen. George P. Scriv-ortunity to go ahead with the

present time the army avia-

teber, though a compact and s efficient body, is very small

upared with similar organiza-

intained by the other world Secretary of the Navy Daniels

cognized this crying need for

force of aeroplanes when he

uestion of aviation is one of the

rvice of the United States Military experts predict that

creat war will be fought at

illy in the air. May we not,

paraphrase Napoleon a trifle

at 'Providence will probably

itain, Germany and France

out consider the comparative th in air craft. The latest

the list with regard to its

of aeroplanes to the army

remendous and the infor-

which has the best aero-

world Powers which out-United States in naval

Hydros.

h has been planned.

rman of the House Committee

ter. The American air navy has been

more or less a joke. The United States,

ing it from above and the price of one

"Then, again, water-comparatively

"With the Panama Canal, as well as

ur coast fortifications to guard, not

only from land and water, but also from

the air, steps must and should be taken

to muster an air fleet absolutely second

to none on either hemisphere."

The reason for the selection in the

Hay bill of the army for the first ex-periment is because the army is at

present far behind the navy in atten-

tion to aviation and in the success

attained by its corps. This is due to the

fact that the army has been very much hampered by lack of sufficient funds

nate any single branch of the service

as an aviation corps, placing the burden of the air work on the Signal Corps.

The navy, on the contrary, has for

some time possessed an aviation corps

recent movement of the base of this

orps from Annapolis, Md., to Pensa-

cola, Fla., has given the navy addi-ional opportunity for excellent work.

Cruz the battleship Mississippi, which

acted as the home station of the hydros

was sent south with the other fighting units of the navy, and the work of

the navy's aeroplanes in the neighbor-hood of Vera Cruz was the subject of

more than one complimentary message

The army sent no aeroplanes to

Mexico for a very good reason-it had

tone to send that could do the work

The army's fleet of aeroplanes :

divided into four sections, one at Galveston, Tex.; one at San Diego, Cal.;

one in the Hawaiian Islands and one in the Philippines. These military aero-

they are capable of being used only for scouting purposes and are not fitted

for either defensive or offensive pur-

In the event of an invasion of Mexico

would be invaluable for use in deter-

mining the position and number of the

would be practically useless, while the 2 majority of the European air corps are

"We must start by perfecting our scouting system," is the opinion of

"The advantage of the aeroplane for scouting purposes can hardly be over-

4 enemy's forces. But when it came to active participation in a battle they

the army aeroplanes at present in

from Rear Admiral Fletcher.

able of military statistics planes are out of date in the sense that

herefore be seen that the fitted up with special rifle rests, am-

indary line to be protected in order to repulse attack from above her world power, stands or to offer fight to forces on the ground.

e fact that France in one Col. Samuel Reber, who is in charge of propriated \$7,400,000 to solve the present aviation squad, "as a child aviation, while Germany first learns to crawl. After that he may

creat Britain has set aside In the case of aviation 'running' means or this object shows what we will have a fully equipped fleet of

being paid the question offensive airships-our actions will prob-

most recent Congressional ably consist of anything but 'running' n for aviation purposes was in the literal meaning of the word.

incalculable. Their scout-emendous and the infor-hundred or a thousand feet in the air is

their pilots bring back able to see points of vantage and to catch

with a greater home munition carriers and munitions of war

appropriated \$5,000,000 take up walking and then running.

poses.

When the fleet was ordered to Vera

which has done splendid work.

opaque from a point near its surface-

becomes transparent to an observer in

United States, which gave to costs \$8,000 and torpedoes are freworld the science of aviation, quently lost in practice through deflecexemplified in the experi- tion in direction, which makes it imnts of the Wright brothers, is possible to follow them from the conng to step into line with the ning tower of a ship. But the aerial d Powers and to establish an scout in a flying machine can follow a



Tuning up an army aeroplane for flight along the border.



The army workshops at San Diego, where military aviators are given instructions in mechanics of aeroplanes.

could be ascertained with a surprising powerful enough to defend itself if at-degree of accuracy by a pilot versed in the art of war and the information of men on the ground, in addition to which he brings back to earth would be invaluable to the commander planning his campaign for the following day or his attack for the next hour.

"Again, aeroplanes at a height of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of "an aviation corps which shall be of the creation of the Hay bill."

not have to face in a war against any ever, it is a contingency which would cause considerable concern.

er, it is a contingency which would use considerable concern.
"We have succeeded in bringing our be shall have displayed especial skill work of the corps." aviation scouting operations to such a and ability as a military aviator." condegree of success that the time is entirely ripe for the next step in the logipossible for an efficer from some other call sequence—the establishment of a branch of the army to assume charge of located and maintained at a military

2.000 feet are practically safe from all a part of the line of the army and in ordinary military training calls for 's kinds of projectiles from the earth. The which there shall be officers in number, recognized in the section of the Hay only way in which they can be prac-tically attacked with any degree of accuracy is by means of other aeroplanes rank of Major, who shall be the com-and this is a condition which we would mandant of the corps and of the aviation school; two officers with the rank 50 per cent, in the pay of their respecother American nation. In the event of Captain and not to exceed thirty tive grades in the corps." The 50 per of war with any European Power, how-officers with the rank of Lieutenant." cent, increase in pay is also extended

follows:

Sixty Officers to Be Selected and 260

Privates to Be Drilled as Pilots for the

New Born Branch of Defence

not within the District of Columbia." the past year show even more clearly the object of excepting the District of Columbia is said to be twofold: First, to remove the school as far as possible figures for 1913 were:

from the influence of the bureaucracy alleged to govern the War Department, Germany 5,000,000

copyright by Clinedinst. Brig.-Gen. George P. Scriven, chief signal officer, army.

secondly, to prevent the over- Russia crowding of the Government ground in the District. of the different Governments for a-ro-nautical work during five years approxi-United States ... So that, by doubling the 1913 apmates \$100,000,000. The division is as propriation, as provided for this year,

the appropriation for aviation work in the United States still remains even below that of Mexico. Another significant item in the above lists is the fact that in 1913 Japan appropriated \$1,000,000 for military avia-tion and that during the past five 1.500,000 700,000 600,000 for this purpose. This shows conclu-600,000 sively that the Mikado's Government 550,000 has come to a sudden realization of the 500,000 importance of aviation to a Power which aspires to world conquests and that in future the Japanese will expend that in future the Japanese will expend millions in the same will expend the same and millions in the same and the s 20,000 pend millions in this most important 200,000 military work.

150,000 It is the hope of the men who have 125,000 the interests of the American aviation 1(0,000 corps a: heart that before long the triumphs of the newly born branch of the tumps of the newly born branch of the army will be such that Congress will not be able to withstand the pleas for 40,000 appropriations sufficient to place the aviation corps on an approximate level .\$\$6,570,000 with the corresponding branches of The figures of the appropriations for other great armies.

SHE HAS ALL PARIS WONDERING

Mlle. Lyska Kostio, a young Russian actress at the Theatre Michel, whose eccentricities are amusing liver.



distributed in saving hunders of lives.

The number in any one detachment in the navy. A torpedo lives in the navy in

GIGANTIC PIERS FOR NEW YORK

Russia.

Brazil.

19. Holland.....

Turkey.....

Montenegro.....

walls of sheet pilings. In this way the cofferdam will be solidified and the ma- the Maine well nigh all of the steel terial dredged from the river bed over which the Hudson formerly flowed will withdrawn and a very considerable porbe the medium of holding the river at tion of it was sold to the Cuban Gov-

But, as Commissioner Smith has said, sheet pilling, it will probably be found the present project is an unprecedented that most of those used here will be water, with its tremendous pressure, must be met efficiently. To this end, he says: "It will be necessary to sustain the steel piles by a bank of rip-rap on the inshore side of the cofferdam approximately 70 feet in width at the base and reaching to an elevation of about rest can then be shaken loose ix feet above mean low water.

structure, the offshore side of the dam gigantic scale,

this operation will take three or four ing and reduce the task to an operadays to accomplish, and when done it tion practically akin to that of pulling will leave a dry area 800 feet in length by approximately 300 feet in width. It sounds quite simple, doesn't it? Then this area, which is estimated at But a vast deal of calculating has been 76,500 cubic yards of solid rock, will have to be blasted out to make the necessary slip room."

But a vast deal of calculating has been done, because a failure might imperil the lives of the hundreds of men that will soon be at work drilling into, blast-

their difficulties in plenty, and more than once the sinking piles have encountered — In the course of the next two months, now expected. In the case of the wreck sight worth seeing.

of the Maine pumps of sufficient capacity were installed to drain the space pilings tied to the two main flanking within the cofferdam inside of twentywalls. Again, all of this space is full of four hours, but as a matter of fact it water and strictly speaking the structure took weeks before the bottom of Hais not yet a dam. How, then, is the vana harbor was exposed, and that lay Hudson River to be held at bay? Here at a depth of but 37 feet as against is where engineering cunning of the the 68 in the present instance.

practical sort is applied.

The intervening pockets are now being filled with mud and gravel dredged from the river bottom. This stuff will constitute the marrow of the spine of the bulkhead, and in settling will press out much of its contained water and will automatically seal even the smallest of the interstices between the hooks of the interstices that the first in the present instance. Perhaps you are a taxpayer and have an economical interest in this great project, and possibly you are wondering what is to become of the thousands of tons of steel sheet piling after they have served their purpose. Of course you recognize that the case of the first in this great project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project, and possibly you are wondering what is to become of the thousands of the project. nterstices between the hooks of the riprap dredged away. In the case of arm's length when the landward basin ernment for the prosecution of certain harbor improvements. Unlike wooden indertaking and the enormous mass of fit for other service if not disposed of

proximately 70 feet in width at the base unlocks a section, and one by one the refeet above mean low water.

"Again, to stiffen the outer face of the in the river's jaw like dentistry on a

will be supported by a similar embank-ment of clay.

"Lying between the dam and the shore the rock hewn basin will again be to-day are roundly 55,000,000 gallons of flooded to equalize hydrostatic pressure water, and this will be pumped out at the proper time. It is expected that will facilitate the extraction of the pilothesis. will soon be at work drilling into, blast-Now all of this sounds like smooth ing, and removing the rock that must sailing, but the contractors have had be torn from the stony side of Man-

obstacles that staggered the heaviest blows the driving hammers could de-liver. And even when the supporting to visit Panama you will find much up stopes of riprap and clay have been fin-ished it is doubtful if the impounded with admiring awe and to compensate water can be drained as rapidly as is you for staying at home. It will be a

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